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   Nota di contenuto ch. 1. Introduction -- ch. 2. Context-of-use as a factor in determining
                      the usability of in-vehicle information systems -- ch. 3. In-vehicle
                      information systems to meet the needs of drivers -- ch. 4. A usability
                      evaluation framework for in-vehicle information systems -- ch. 5. The
                      trade-off between context and objectivity in an analytic evaluation of
                      in-vehicle interfaces -- ch. 6. To twist or poke? a method for
                      identifying usability issues with direct and indirect input devices for
                      control of in-vehicle information systems -- ch. 7. Modelling the hare
                      and the tortoise : predicting IVIS task times for fast, middle, and slow
                      person performance using critical path analysis -- ch. 8. Visual
                      attention on the move : there is more to modelling than meets the eye
                      -- ch. 9. Summary of contributions and future challenges.

   Sommario/riassunto Preface The work presented in this book was prompted by the need for
                      an evaluation framework that is useful and relevant to the automotive
                      industry. It is often argued that ergonomics is involved too late in the
                      commercial project development processes to have substantive impact
                      on design and usability. In the automotive industry, and specifically in
                      relation to In-Vehicle Information Systems (IVIS), a lack of attention to
                      the issue of usability can lead not only to poor customer satisfaction
                      but can also present a significant risk to safe and efficient driving. This
                      work contributes to the understanding and evaluation of usability in the
                      context of IVIS and is written for students, researchers, designers, and

engineers who are involved or interested in the design and evaluation of in-vehicle systems. The book has three key objectives - Define and understand usability in the context of IVIS. This guides the specification of criteria against which usability can be successfully evaluated. - Develop a multimethod framework to support designers in the evaluation of IVIS usability. The underlying motivations for the framework are a need for early-stage evaluation to support proactive redesign and a practical and realistic approach that can be used successfully by automotive manufacturers. - Develop an analytic usability evaluation method that enables useful predictions of task interaction, while accounting for the specific context-of- use of IVIS--